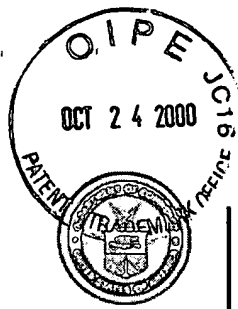


FORMALITIES LETTER



OC000000005343644

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark OfficeAddress: COMMISSIONER OF PATENT AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/602,597	06/22/2000	David Duhl	1568.002/200130.472

Chiron Corporation
Intellectual Property R338
PO Box 8097
Emeryville, CA 94662-8097

Date Mailed: 08/22/2000

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):
 - ☐ This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
 - ☐ A copy of the "Sequence Listing" in computer readable form has not been submitted as required under 37 CFR 1.821(e).

For questions regarding compliance to these requirements, please contact:

- ☐ For Rules Interpretation, call (703) 308-1123
- ☐ For CRF Submission Help, call (703) 308-4212
- ☐ PatentIn Software Program Support
- ☐ - For Technical Assistance, call (703) 287-0200
- ☐ - To Purchase PatentIn Software, call (703) 306-2600

- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*


Customer Service Center

10/26/2000 SDEWB01 00000055 09602597 1.40.00 OP 01 FC:105

Initial Patent Examination Division (703) 308-1202

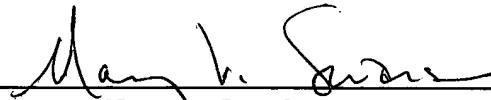
PART 2 - COPY TO BE RETURNED WITH RESPONSE



Sector / \$

PATENT
U.S. Patent Application No. 09/602,597
Atty. Docket No. PP-01568.002

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, Attention: Box Missing Parts, on October 20, 2000.


Nancy L. Swanson

October 20, 2000
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DAVID DUHL and SUSAN W. GORMAN
Serial No.: 09/602,597 Group Art: 1646
Filed: June 22, 2000 Examiner: Unassigned
For: HUMAN CHROMOSOME 15 AND 16 BARDET-BIEDL SYNDROME
POLYNUCLEOTIDES AND POLYPEPTIDES AND METHODS OF USE

RESPONSE TO THE NOTICE TO FILE MISSING PARTS OF APPLICATION --
FILE DATE GRANTED

Assistant Commissioner for Patents
Washington, D.C. 20231
Attention: Box Missing Parts

Sir:

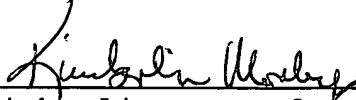
In response to the "Notice to File Missing Parts of Application -- Filing Date Granted", mailed from the United States Patent and Trademark Office on August 22, 2000, enclosed herewith are the following documents:

1. COPY: Notice to File Missing Parts
2. SIGNED: Declaration for Patent Application (two separately signed Declarations)
3. Check in the amount of \$130.00 the declaration surcharge fee (\$130.00) (as set forth under C.F.R. §1.16(e)).

4. Certificate Under 37 C.F.R. §3.73(b) with copy of Assignment Letter and Assignment attached thereto.
5. Request for Corrected Filing Receipt, along with Exhibit A and B attached thereto.
6. Power of Attorney for Patent Application
7. Blanket Petition for Extension of Time and Authorization to Charge/Credit Deposit Account.
8. Sequence Listing. The paper copy and computer readable form of the sequence listing is not included. **This request will be forwarded to the PTO in a separate mailing.**

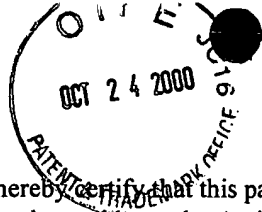
The Assistant Commissioner is hereby authorized to charge any additional fees (or credit any overpayment) associated with this communication and which may be required under 37 CFR 1.16 and 1.17 to Deposit Account No. 03-1664. This, however, is not authorization to pay the issue fee.

Respectfully submitted,

By: 
Kimberlin L. Morley
Attorney for Applicants
Reg. No. 35,391

Date: October 19, 2000

CHIRON CORPORATION
Intellectual Property-R440
4560 Horton Street
Emeryville, CA 94608-2916
Telephone: (510) 923-8406
Facsimile: (510) 655-3542



I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed: Assistant Commissioner of Patents, Washington, D.C. 20231-0001 on October 20, 2000.

Nancy L. Swanson
Nancy L. Swanson

October 20, 2000
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

DAVID DUHL and SUSAN W. GORMAN.

Serial No.: 09/602,597

Group Art: 1646

Filed: June 22, 2000

Examiner: Unassigned

For: HUMAN CHROMOSOME 15 AND 16 BARDET-BIEDL SYNDROME
POLYNUCLEOTIDES AND POLYPEPTIDES AND METHODS OF USE

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

CHIRON CORPORATION

(Name of Assignee)

, a

Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An Assignment from the inventor(s) of the patent application/patent identified above.
The assignment was recorded in the Patent and Trademark Office at Reel _____,
Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above
to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: _____ October 19, 2000 _____

Name: _____ Kimberlin L. Morley _____

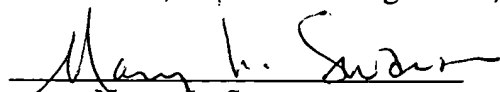
Title: _____ Assistant Secretary, CHIRON CORPORATION _____

Signature: _____ Kimberlin Morley _____



PATENT
U.S. Patent Application No. 09/602,597
Attorney Docket No. PP-01568.002

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231-0001, Attn: Box Assignments, on October 20, 2000.


Nancy A. Swanson

October 20, 2000
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: DAVID DUHL and SUSAN W. GORMAN

Serial No.: 09/602,597

Group Art: 1646

Filed : June 22, 2000

Examiner: Unassigned

For : HUMAN CHROMOSOME 15 AND 16 BARDET-BIEDL SYNDROME
POLYNUCLEOTIDES AND POLYPEPTIDES AND METHODS OF USE

ASSIGNMENT DOCUMENT COVER LETTER

Box Assignment
Assistant Commissioner for Patents
Washington, D.C. 20231

1. The accompanying assignment covers the patent or application identified above.

X No other patents or applications are covered by the assignment.

— Other patents and/or applications are covered by the assignment as shown on the attached LIST OF PATENTS AND/OR APPLICATIONS COVERED BY ASSIGNMENT.

NAMES OF PARTY MAKING TRANSFER

2. Name 1: David Duhl
Name 2: Susan W. Gorman

IDENTITY OF PARTY TO WHOM TRANSFER IS MADE

3. Transfer is being made to:

CHIRON CORPORATION
Intellectual Property - R440
P.O. Box 8097
Emeryville, California 94608-8097
United States of America

INTENTION OF DOCUMENT

4. The accompanying document is an:

X Assignment ___ License
___ Security Interest ___ Other

X Execution Dates: October 6, 2000 and October 14, 2000

FEE PAYMENT

5. Total fee due \$40.00
6. ___ Charge Deposit Account No. 03-1664 in the sum of \$40.00.
- X Enclosed is a check for \$40.00.

X The Assistant Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 03-1664. THIS IS NOT AN AUTHORIZATION FOR PAYMENT OF ANY ISSUE FEES.

PATENT
U.S. Patent Application No. 09/602,597
Attorney Docket No. PP-01568.002

ADDRESS TO WHICH DOCUMENT SHOULD BE RETURNED AFTER RECORDAL
BY PTO


7. Please return the recorded document to:

CHIRON CORPORATION
Intellectual Property - R440
P.O. Box 8097
Emeryville, California 94662-8097
United States of America

STATEMENT BY THE PARTY

8. I hereby submit that, to the best of my knowledge and belief, the foregoing information contained herein is true and correct and any copy submitted herewith is a true and correct copy of the original document.

Respectfully submitted,

By: 
Kimberlin L. Morley
Attorney for Assignee
Reg. No. 35,391

Dated: October 19, 2000

CHIRON CORPORATION
Intellectual Property - R440
P.O. Box 8097
Emeryville, California 94662-8097
TEL: (510) 923-8406
FAX: (510) 655-3542

Total number of pages comprising cover sheet: 9 (Assignment Cover Letter plus Original Assignments)



PATENT
U.S. Patent Application No. 09/602,597
Atty. Docket No. PP-01568.002

I hereby certify that this paper is being deposited in the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on October 20, 2000

Nancy L. Swanson
Nancy L. Swanson

October 20, 2000
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DAVID DUHL and SUSAN W. GORMAN
Serial No.: 09/602,597 Group Art: 1646
Filed: 06/22/00 Examiner: Unassigned
For: HUMAN CHROMOSOME 15 AND 16 BARDET-BIEDL SYNDROME
POLYNUCLEOTIDES AND POLYPEPTIDES AND METHODS OF USE

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Forward to: Office of Initial Patent Examination's
Customer Service Center

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

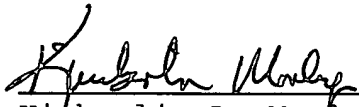
Attached is a copy of the official Filing Receipt received from the Patent and Trademark Office in the above-identified patent application for which issuance of a corrected filing receipt is respectfully requested.

In the "Continuing Data as Claimed by Applicant" section, please add (See Exhibit A and B attached hereto):

--Claims the Benefit of Provisional Application No.
60/141,753, filed 06/30/99--

The corrections requested are not due to errors by Applicant and, therefore, no fee is enclosed. However, the Assistant Commissioner is hereby authorized to charge any additional fees (or credit any overpayment) associated with this communication and which may be required under 37 CFR 1.16 and 1.17 to Deposit Account No. 03-1664. This, however, is not authorization to pay the issue fee.

Respectfully submitted,

By: 
Kimberlin L. Morley
Attorney for Applicant
Reg. No. 35,391

Date: Oct 19, 2000

CHIRON CORPORATION
Intellectual Property-R440
4560 Horton Street
Emeryville, CA 94608-2916

FILING RECEIPT

OC000000005343643

EXHIBIT A**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**Address: ASSISTANT SECRETARY AND
COMMISSIONER OF PATENT AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/602,597	06/22/2000	1646	1092	1568.002/200130.472	13	25	7

Chiron Corporation
Intellectual Property R338
PO Box 8097
Emeryville, CA 94662-8097

Date Mailed: 08/22/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)David Duhi, Oakland, CA ;
Susan W. Gordon, Santa Monica, CA ;**Continuing Data as Claimed by Applicant**

Please add:

Claims the Benefit of Provisional Application No.

60/141,753, filed 06/30/99

Foreign Applications

If Required, Foreign Filing License Granted 08/22/2000

FILE NUMBER PP01568,002
 ATTY. KLM PA.
 INFO. DISCLOSURE DUE DATE 2/21/01 IDF
 FOREIGN FILING DEADLINE
 STATUS CHECK
 DOCKETED BY Sm DATE 8/28/00

Title

Human chromosome 15 and 16 bardet-biedl syndrome polynucleotides and polypeptides and methods of use

Preliminary Class

514

Data entry by : DADE, JOAN

Team : OIPE

Date: 08/22/2000

UTILITY

PATENT APPLICATION
TRANSMITTAL

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.

1568.002 / 200130.472

First Inventor or Application Identifier

David Duhl

Title

HUMAN CHROMOSOME 15 AND 16 BARDET-BIEDL
SYNDROME POLYNUCLEOTIDES AND
POLYPEPTIDES AND METHODS OF USE

Express Mail Label No.

EL487463455US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 202311. ☒ General Authorization Form & Fee Transmittal
(Submit an original and a duplicate for fee processing)2. ☒ Specification [Total Pages] **38**
(preferred arrangement set forth below)

- Descriptive Title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention

- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. ☒ Drawing(s) (35 USC 113) [Total Sheets] **13**4. Oath or Declaration [Total Pages] **2**

- a. ☒ Unexecuted (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)

- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior
application,
see 37 CFR 1.63(d)(2) and 1.33(b)

5. ☐ Incorporation By Reference (useable if box 4b is
checked) The entire disclosure of the prior application,
from which a copy of the oath or declaration is supplied
under Box 4b, is considered to be part of the disclosure
of the accompanying application and is hereby
incorporated by reference therein.6. ☐ Microfiche Computer Program (Appendix)7. Nucleotide and Amino Acid Sequence Submission
(if applicable, all necessary)

- a. ☐ Computer-Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard
14. ☐ Small Entity ☐ Statement filed in prior application,
Statement(s) Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: Certificate of Express Mail
Check No. 12164 for \$ 1,092

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment

☐ Continuation ☐ Divisional ☐ Continuation-In-Part (CIP) of prior Application No.: _____

Prior application information: Examiner _____ Group / Art Unit _____

☒ Claims the benefit of Provisional Application No. 60/141,753 filed 06/30/99

CORRESPONDENCE ADDRESS

Chiron Corporation
Intellectual Property R338 P.O. Box 8097
Emeryville, CA 94662-8097
(510) 655-8730 phone (510) 655-3542 fax

Respectfully submitted,

TYPED or PRINTED NAME Jane E. R. PotterSIGNATURE Jane E. R. PotterREGISTRATION NO. 33,332Date June 23, 2000